Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/20/2018 10:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124991	-1	1.56	124814	1.52
Blue	F	SSC	125000	123560	-2	3.45	123801	3.24
Blue	E	FITC	23615	22900	-4	2.63	1026	10.49
Blue	D	PE	26739	26282	-2	2.20	944	10.14
Blue	B	PerCP-Cy5-5	48339	47529	-2	3.67	1365	17.67
Blue	A	PE-Cy7	45021	44529	-2	5.42	694	36.78
Red	C	APC	53064	52538	-1	2.80	3008	9.47
Red	A	APC-Cy7	57175	56114	-2	2.77	1193	11.21
Violet	B	V450	14728	14209	-4	4.84	675	9.77
Violet	A	V500	58621	57269	-3	4.73	2536	6.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19018	2.51	610	-4	N/A	N/A	Pass
Blue	F	SSC	61100	1.57	554	8	N/A	N/A	Pass
Blue	E	FITC	111	39.30	546	-2	0.0195	93	Pass
Blue	D	PE	207	29.84	538	2	0.1503	239	Pass
Blue	B	PerCP-Cy5-5	212	46.92	637	2	0.0092	87	Pass
Blue	A	PE-Cy7	75	124.43	695	2	0.0110	17	Pass
Red	C	APC	346	28.55	598	1	0.0206	114	Pass
Red	A	APC-Cy7	131	39.71	579	-1	0.0054	1499	Pass
Violet	B	V450	83	43.10	462	-8	0.0407	1741	Pass
Violet	A	V500	185	23.17	489	-8	0.0152	624	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.74	-31.29	0.97
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.35
Red	18.33	14.40 - 21.60	N/A	N/A	30.83	31.37	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10920

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments